

WHAT IS CLAIMED IS:

1. A lock nut, said lock nut comprising:
a nut body having a bore with an interior threaded portion and a substantially cylindrical recess coaxial with the threaded portion of the bore, the recess having a single notch on a portion of the recess;
a threaded locking ring positioned within the recess, the locking ring having deforming means for frictionally gripping a bolt on which the lock nut is to be threaded; and
a single projecting lug at one side of the locking ring fitting into the notch to prevent relative rotation between the ring and the nut body, the lug having a bowl-shaped nodule.
2. The lock nut of claim 1 wherein the locking ring is deformable from an original shape and whereby the locking ring frictionally grips the bolt while being threaded onto the bolt.
3. The lock nut of claim 2 wherein the locking ring is biased to a slightly triangular shape which is deformed to an oval shape when the locking ring is threaded on the bolt.

4. The lock nut of claim 1 wherein the bowl-shaped nodule is shaped to collect shaving residuals found within the threaded portion of the bore.

5. The lock nut of claim 1 wherein the lock nut is composed of a steel material.

6. A locking ring for use with a lock nut having a bore with an interior threaded portion and a cylindrical recess coaxial positioned within the threaded portion of the bore, the recess having a single notch on a portion of the recess, the locking ring comprising:

a threaded locking ring positioned within the recess, the locking ring being deformable when threaded onto a bolt on which the lock nut is to be threaded, the locking ring frictionally gripping the bolt when the bolt is threaded onto the lock nut; and

a single projecting lug at one side of the locking ring fitting into the notch to prevent relative rotation between the ring and the nut body, the lug having a bowl-shaped nodule.

7. The locking ring of claim 6 wherein the locking ring is deformable from an original shape and whereby while the locking ring is threaded on the bolt, the lock ring frictionally grips the bolt.

8. The lock nut of claim 7 wherein the locking ring is biased to a slightly triangular shape which is deformed to an oval shape when the locking ring is threaded on the bolt.

9. The lock nut of claim 6 wherein the lock nut is composed of a steel material.